

PATENT ABSTRACTS OF JAPAN

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(54) ARMBAND

(57)Abstract:

PROBLEM TO BE SOLVED: To simplify attachment work, prevent from sliding down and improve appearance by installing male and female hook-and-loop fasteners on two longitudinal ends of a body and installing a clip in the center of the sleeve side end of a body strip piece through a string.

SOLUTION: A pair of male and female hook-and-loop fasteners are arranged at the two longitudinal ends of an armband body 1. In this case, a hook-and-loop fastener 3 is installed on the surface of the inside end of the armband body and a hook-and-loop fastener 5 is installed on the reverse 4 of the other end with the longitudinal distance lengthened so that the diameter may be adjusted when the armband is shaped into a ring. And after the strip piece of the armband body 1 is wrapped around a sleeve of a wear, a circular display is made by engaging a pair of male and female hook-and-loop fastness 3, 5 with each other. In addition, a clip 6 is installed in the center of the sleeve side end that becomes the inside of the armband body strip piece through a soft string 7,

the size X of the string 7 and the clip 6 combined is made less than half the size Y of the short piece of the armband body strip piece.

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CLAIMS

[Claim(s)]

[Claim 1] The arm band which the body of an arm band is a rectangular band-like piece, installed the surface fastener of a sex in the longitudinal direction both ends of a band-like piece, and installed the clip with which an engagement condition and a discharge condition change the manual operation of a shift lever, and which can be locked through the flexible string-like object in the center of the sleeve side edge section of a band-like piece [claim 2] The arm band according to claim 1 made into the die length to which the dimension which aligned the clip with the string-like object does not exceed the one half of the short piece dimension of a body of arm band band-like piece .

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Industrial Application] Especially this invention relates to the attachment to the clothes on which it was made for an arm band not to slip down about an arm band.

[0002]

[Description of the Prior Art] When attaching an arm band in the sleeve of clothes, it stops on the cloth of clothes with the safety pin installed in the arm band so that an arm band might not slip down, or elastic bands, such as rubber, are formed with another object inside an arm band, and it is binding tight to the perimeter of a sleeve with the elastic band.

[0003]

[Problem(s) to be Solved by the Invention] When it is going to stop on the cloth of clothes with the safety pin prepared in the arm-band bottom etc., it is necessary to run through cloth with a pin and to stop it, the actuation must also be carried out single hand, and it cannot use for clothes with it. [actuation is not only difficult, but made from waterproof canvas or hard cloth on which]

[0004] Although attachment actuation is easy when binding tight to the perimeter of a sleeve with elastic bands, such as rubber, a sleeve is pressed from a perimeter with an elastic band, it will slip down, if it is that of ***** and elastic force of an elastic band is made small according to a friction operation, if elastic force is enlarged, the interruption in the circulation of an arm may be started, in being clothes with still thicker *****, an unnatural hollow is made and appearance worsens.

[0005]

[Means for Solving the Problem] The surface fastener of a sex is installed in the longitudinal direction both ends of the body of a band-like arm band, and a clip is installed in the center of the sleeve side edge section of a body of arm band band-like piece through a flexible string-like object.

[0006] Since are the band-like piece of the rectangle to which the body of an arm band has the display of arbitration on a front face, wind annularly to the circumference of the sleeve of clothes, a time is carried out, it becomes the annular display band of an arm band and the surface fastener of a sex is respectively formed in the longitudinal direction both ends of a band-like piece, the diameter of the annular section is doubled with the circumference dimension of a sleeve, the both ends of a band-like piece are mutually engaged with a surface fastener, and it considers as an arm-band annular solid.

[0007] The clip formed in the center of the sleeve side edge section which becomes the inside side of a band-like piece is installed through a flexible string-like object, and let the dimension which aligned the clip with the string-like object be the die length which does not exceed the one half of the short piece dimension of a body of arm band band-like piece.

[0008] Cloth *****, it bites, and it fixes and the piece of the pair supported pivotably in the engagement condition which does not carry out the suppression maintenance of the piece of the pair supported pivotably by the spring pressure of a clothe-pin etc. of a clip, and carried out as a lock location in a lock member by the manual operation of a shift lever using the clip which locks the piece of a pair of a clip in an engagement condition by the lock member, hold of a clip changes to a discharge condition by

reverse actuation in the clip which forms in the center of the edge of band-like piece.
[0009]

[Function] When the band-like piece of the rectangle used as the body of an arm band is annularly wound around the cylinder part of the sleeve of clothes, carries out a time to it and it considers as the annular display band of an arm band, Siwa of **** etc. is ****(ed) by the piece of a clip of the clip first formed in the center of the band-like piece inside side edge section. By the manual operation of a shift lever, by making a lock member into a lock location, the piece of a clip and **** are engaged, engagement immobilization is carried out, and the band-like piece of the rectangle used as the body of an arm band which this has connected with the clip through a flexible string-like object also hangs down from a sleeve, and is stopped.

[0010] It is mutually engaged with a surface fastener and wear of an arm band completes the both ends of a band-like piece so that it may become the proper annular section diameter which wound about annularly around the circumference of the sleeve of clothes the band-like piece of the rectangle used as the body of an arm band stopped by the clip, and doubled it with the circumference dimension of a sleeve.

[0011] What is necessary is just to use the fastener of the shape of a field of the usual sex pair which planted many pieces of a hook in front faces, such as cloth, although the surface fastener which can use the thing of any quality of the materials, and is formed in the both ends of a band-like piece will be arranged for a long time to the longitudinal direction of a band-like piece so that adjustment of an annular section diameter may be attained if the band-like piece of the rectangle used as the body of an arm band has the flexibility of not only the product made of cloth but extent which can be annularly rolled about.

[0012] Since the band-like piece of the rectangle which the lock with which an engagement condition and a discharge condition change by manual operation is possible for a clip, does not break away simply by external force in the state of the engagement which the piece of a clip bit on cloth, and serves as a clip and a body of an arm band is connected through a flexible string-like object, a clip moves idly freely to a band-like piece.

[0013] If a band-like piece winds around the front face about after ****(ing) **** with a clip since the dimension which aligned the clip with the string-like object is die length which does not exceed the one half of the short piece dimension of a body of arm band band-like piece, since an engagement condition and a discharge condition change by manual operation, even if a clip requires external force, such as compressive force, for a clip by a clip and a string-like object not being outside

exposed at the time of arm-band wear, a clip will not break away simply.

[0014]

[Example] Although drawing 1 is the front view turning up and showing some arm bands by the example of this invention, the body 1 of an arm band is a rectangular band-like piece which has the display 2 of arbitration on a front face and the surface fastener of a sex pair is formed in the longitudinal direction both ends of the body of an arm band. In that case, distance is installed in a longitudinal direction for a long time so that the diameter when making a surface fastener 5 annular a surface fastener 3 and rear-face side 4 of the other end can be adjusted to the front-face side of the inside side edge section of the body of an arm band. It is engaged and let the surface fasteners 3 and 5 which are sex pairs be the annular display bands of an arm band, after winding about annularly the band-like piece of the body of an arm band around the circumference of the sleeve of clothes.

[0015] Furthermore, a clip 6 is installed in the center of the sleeve side edge section which becomes the inside side of a body of arm band band-like piece through the flexible string-like object 7, and let the dimension X which aligned the clip with the string-like object be the die length which does not exceed the one half of the short piece dimension Y of a body of arm band band-like piece.

[0016] Using the clip which the clip 6 formed in the center of the edge of a band-like piece locks the piece of a clip of a pair in the engagement condition by the lock member, and can be held, since a string-like object 7 is a material with a flexible fiber string etc., a clip can move idly freely at the edge of a band-like piece. When operating a clip by hand and making it engage with Siwa of **** of clothes etc., no matter it may engage with **** at what include angle, since the band-like piece of an arm band hangs down downward, it tends to operate a clip.

[0017] Moreover, since it is the die length to which the dimension X which aligned the clip 6 with the string-like object 7 does not exceed the one half of the short piece dimension Y of a body of arm band band-like piece, after winding about the band-like piece of an arm band around the circumference of the sleeve of clothes annularly, the string-like object or clip which were formed in the center of the sleeve side edge section from the front-face side do not appear.

[0018] If the hole is established in the clip, association with a string-like object should just let a string-like object pass, but you may join together with other means, such as adhesion, and a band-like piece can also carry out thermal melting arrival also of the association of the band-like piece of an arm band, and a string-like object as a resin material also with a flexible string-like object, when a band-like piece is a resin

material that what is necessary is just to attach by suture etc., since it is made from a fiber cloth in many cases.

[0019] Drawing 2 is the sectional view which cut and lacked the part which shows the clip used for the example of this invention. The lock with which an engagement condition and a discharge condition change by manual operation is possible for a clip, and drawing 2 A shows the open condition which opened the piece of a clip. A clip The piece 8 of a securing clip, Consist of a piece 9 of a movable clip supported pivotably by the base of the piece of a securing clip, and a shift lever 10 is supported pivotably and formed outside in the base of the piece of a securing clip at the pan of the piece of a movable clip. As a lock member which presses and locks the origin of the piece of a movable clip in the pivot section of a shift lever 10, a lobe 11 is formed in a shift-lever longitudinal direction and the direction of a right angle.

[0020] Drawing 2 B can show the engagement condition which closed the piece of a clip, the press lock of the piece of a movable clip can be carried out by the lobe of a shift lever, and it is fixed in the state of engagement, and between the piece tips of a clip, the piece of a movable clip and the piece of a securing clip can **** cloth etc., and can stop it.

[0021] When attaching the body of an arm band in clothes, after locating Siwa of **** of clothes etc. between the tips of the piece 8 of a securing clip, and the piece 9 of a movable clip, it operates manually so that a shift lever 10 may be closed, and by making a lobe 11 into a lock location, the piece of a clip and **** are engaged and engagement immobilization is carried out.

[0022] The band-like piece of the rectangle used as the body of an arm band connected with the clip through a flexible string-like object by engaging the piece of a clip and **** and carrying out engagement immobilization also hangs down from a sleeve, and is stopped, an arm-band band-like piece is annularly wound around the circumference of the sleeve of clothes about, it is mutually engaged with a surface fastener and wear of an arm band completes the both ends of a band-like piece so that it may become the proper annular section diameter doubled with the circumference dimension of a sleeve.

[0023] What is necessary is just to operate manually so that the shift lever of a clip may be opened after tearing off the surface fastener of band-like piece both ends, when removing an arm band since a clip and **** break away by operating manually so that a clip may not break away simply and the shift lever of a clip may be opened even if external force, such as compressive force, is applied in the state of the engagement which the piece of a clip bit to ****.

[0024]

[Effect of the Invention] Since an arm-band band-like piece is rolled annularly, carries out a time to the circumference of the sleeve of clothes and it is engaged with a surface fastener so that it may become a proper annular section diameter after stopping a clip to **** in attaching an arm band in the sleeve of clothes, an arm band can be attached also in which location of a sleeve or sleeve of any sizes, and since **** and a clip only stop by one place, they do not press a sleeve from a perimeter.

[0025] Without breaking a hole in ****, since the clip of an arm band is stopped to Siwa of **** of clothes etc., since the arm band could stop on any cloth, such as the ground, waterproof canvas, etc. of thick cloth, and the clip is also connected with the arm-band band-like piece through a string-like object, manufacture is also simple and a clip and a string-like object do not appear from the outside at the time of arm-band wear.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the front view turning up and showing some arm bands by the example of this invention.

[Drawing 2] It is the sectional view which cut and lacked the part which shows the clip used for the example of this invention.

[Description of Notations]

1, the body of an arm band

2 Display

3 Surface fastener

4 sides, a rear-face side

5 Surface fastener

6 Clip

7 String-like object

8, the piece of a securing clip

9, the piece of a movable clip

10 Shift lever

11 Lobe

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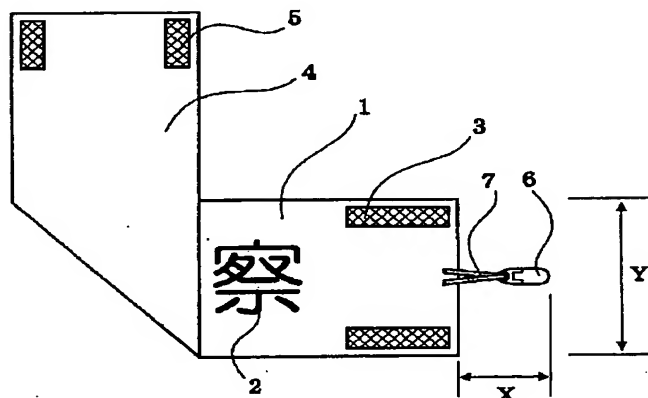
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(54) 【発明の名称】 腕 章

(57) 【要約】

【目的】 簡単単純な構成でありながら腕章の取付が簡単確実で、外力がかかってもずり落ちないようにした腕章の衣服への取付に関する。

【構成】 带状腕章本体の長手方向両端に雌雄の面ファスナーを設置し、腕章本体带状片の袖側端部中央に、係合状態と解除状態が切り替わるロック可能なクリップを、柔軟な紐状体を介して設置する。



【特許請求の範囲】

【請求項 1】 腕章本体が矩形の帯状片であり、帯状片の長手方向両端に雌雄の面ファスナーを設置し、帯状片の袖側端部中央に、作動レバーの手動操作により係合状態と解除状態が切り替わるロック可能なクリップを、柔軟な紐状体を介して設置した腕章

【請求項 2】 紐状体とクリップを合わせた寸法が、腕章本体帯状片の短片寸法の半分を超えない長さとする請求項 1 記載の腕章

【発明の詳細な説明】

【0001】

【産業上の利用分野】 本発明は腕章に関し、特に腕章がずり落ちないようにした衣服への取付に関するものである。

【0002】

【従来の技術】 衣服の袖に腕章を取り付ける場合、腕章がずり落ちないように腕章に設置した安全ピンで衣服の布に止めたり、腕章の内側にゴムなどの弾性帯を別体で設け、その弾性帯で袖周囲に締め付けたりしている。

【0003】

【発明が解決しようとする課題】 腕章の上側等に設けた安全ピンで衣服の布に止めようとする場合には、ピンを布に刺し通して止める必要があり、その操作も片手でしなければならず、操作が困難であるだけでなく、防水布や硬質な布を素材とする衣服に用いることができない。

【0004】 ゴムなどの弾性帯で袖周囲に締め付ける場合、取付操作は簡単であるが、弾性帯で袖を周囲から圧迫して摩擦作用により取付るので、弾性帯の弾性力を小さくするとずり落ち、弾性力を大きくすると腕の血行障害を起こす可能性があり、さらに袖筒が太い衣服の場合には不自然な窪みが出来てしまい体裁が悪くなる。

【0005】

【課題を解決するための手段】 帯状腕章本体の長手方向両端に雌雄の面ファスナーを設置し、腕章本体帯状片の袖側端部中央にクリップを柔軟な紐状体を介して設置する。

【0006】 腕章本体は表面に任意の表示を有する矩形の帯状片であり、衣服の袖周囲に環状に巻き回して腕章の環状表示帯となり、帯状片の長手方向両端部には各々雌雄の面ファスナーが設けられているので、環状部の直径を袖周り寸法に合わせて帯状片の両端部を面ファスナーにより相互に係合して腕章環状体とする。

【0007】 帯状片の内面側となる袖側端部の中央に設けるクリップは、柔軟な紐状体を介して設置し、紐状体とクリップを合わせた寸法は腕章本体帯状片の短片寸法の半分を超えない長さとする。

【0008】 帯状片の端部の中央に設けるクリップは、洗濯バサミ等のバネ圧により枢支された一対のクリップ片を弾圧保持するものではなく、ロック部材により一対のクリップ片に係合状態にロックして保持できるクリッ

プを用い、作動レバーの手動操作によりロック部材をロック位置とした係合状態の時には枢支された一対のクリップ片が布を挟持して噛み込み固定し、逆の操作により解除状態に切り替わるものである。

【0009】

【作用】 腕章本体となる矩形の帯状片を衣服の袖の筒部に環状に巻き回して腕章の環状表示帯とする場合、最初に帯状片内面側端部中央に設けたクリップのクリップ片で袖布のシワ等を挟持し、作動レバーの手動操作によりロック部材をロック位置としてクリップ片と袖布を噛み合わせて係合固定し、それによりクリップと柔軟な紐状体を介して接続している腕章本体となる矩形の帯状片も袖にぶら下がり係止される。

【0010】 クリップにより係止される腕章本体となる矩形の帯状片を、衣服の袖周囲に環状に巻き回し、袖周り寸法に合わせた適宜の環状部直径となるよう帯状片の両端部を面ファスナーにより相互に係合して腕章の着用が完了する。

【0011】 腕章本体となる矩形の帯状片は布製だけでなく、環状に巻き回せる程度の柔軟性があればどのような材質のものでも用いることができ、帯状片の両端部に設ける面ファスナーは環状部直径が調整可能となるよう帯状片の長手方向に長く配置するが、布などの表面に鉤片を多数植え付けた通常の雌雄一対の面状のファスナーを用いればよい。

【0012】 クリップは手動操作により係合状態と解除状態とが切り替わるロック可能なもので、クリップ片が布に噛み込んだ係合状態では外力で簡単に離脱することではなく、クリップと腕章本体となる矩形の帯状片は柔軟な紐状体を介して接続しているので、クリップは帯状片に対して自由に遊動する。

【0013】 紐状体とクリップを合わせた寸法は腕章本体帯状片の短片寸法の半分を超えない長さであるので、クリップで袖布を挟持した後その表面に帯状片を巻き回せばクリップと紐状体が外側に露出することなく、クリップは手動操作で係合状態と解除状態が切り替わるものであるため、腕章着用時にクリップに圧縮力などの外力がかかってもクリップが簡単に離脱することはない。

【0014】

【実施例】 図 1 は本発明の実施例による腕章の一部を折り返して示す正面図で、腕章本体 1 は表面に任意の表示 2 を有する矩形の帯状片であり、腕章本体の長手方向両端に雌雄一対の面ファスナーを設けるが、その場合には腕章本体の内面側端部の表面側に面ファスナー 3 と、他端の裏面側 4 に面ファスナー 5 を環状としたときの直径を調整できるように長手方向に距離を長く設置し、腕章本体の帯状片を衣服の袖周囲に環状に巻き回した後、雌雄一対である面ファスナー 3、5 を係合して腕章の環状表示帯とする。

【0015】 さらに、腕章本体帯状片の内面側となる袖

側端部の中央にクリップ 6 を、柔軟な紐状体 7 を介して設置し、紐状体とクリップを合わせた寸法 X は腕章本体帯状片の短片寸法 Y の半分を超えない長さとする。

【0016】帯状片の端部の中央に設けるクリップ 6 は、ロック部材により一対のクリップ片を係合状態にロックして保持できるクリップを用い、紐状体 7 は繊維紐等の柔軟な素材であるのでクリップは帯状片の端部で自由に遊動可能で、クリップを手で操作して衣服の袖布のシワ等に係合させる時に、クリップを袖布にどんな角度で係合しても腕章の帯状片は下にぶら下がるので操作しやすい。

【0017】また、紐状体 7 とクリップ 6 を合わせた寸法 X が、腕章本体帯状片の短片寸法 Y の半分を超えない長さであるので、腕章の帯状片を衣服の袖周りに環状に巻き回した後に、表面側から袖側端部の中央に設けた紐状体やクリップが見えることはない。

【0018】クリップに穴を設けておけば紐状体との結合は紐状体を通すだけでよいが、接着等の他の手段で結合してもよく、腕章の帯状片と紐状体の結合も帯状片は繊維布から作られることが多いので縫合等で取り付けられ

ばよく、帯状片が樹脂素材である場合は、紐状体も柔軟な樹脂素材として熱融着することも出来る。

【0019】図 2 は本発明の実施例に用いるクリップを示す一部を切り欠いた断面図で、クリップは手動操作により係合状態と解除状態とが切り替わるロック可能なものであり、図 2 A はクリップ片を開いた開放状態を示し、クリップは固定クリップ片 8 と、固定クリップ片の基部に枢支された可動クリップ片 9 よりなり、可動クリップ片のさらに外側に作動レバー 10 が固定クリップ片の基部に枢支して設けられ、作動レバー 10 の枢軸部には可動クリップ片の根本を押圧してロックするロック部材として、作動レバー長手方向と直角方向に突出部 11 が設けられる。

【0020】図 2 B はクリップ片を閉じた係合状態を示し、可動クリップ片は作動レバーの突出部により押圧ロックされ、可動クリップ片と固定クリップ片は係合状態で固定され、クリップ片先端間に布などを挟持して係止可能である。

【0021】腕章本体を衣服に取り付ける場合、衣服の袖布のシワ等を固定クリップ片 8 と可動クリップ片 9 の先端間に位置させた後、作動レバー 10 を閉じるように手動操作して突出部 11 をロック位置としてクリップ片と袖布を噛み合わせて係合固定する。

【0022】クリップ片と袖布を噛み合わせて係合固定

することにより、クリップと柔軟な紐状体を介して接続している腕章本体となる矩形の帯状片も袖にぶら下がって係止され、腕章帯状片を衣服の袖周りに環状に巻き回し、袖周り寸法に合わせた適宜の環状部直径となるよう帯状片の両端部を面ファスナーにより相互に係合して腕章の着用が完了する。

【0023】クリップ片が袖布に噛み込んだ係合状態では圧縮力等の外力がかかってもクリップが簡単に離脱することはなく、クリップの作動レバーを開くように手動操作することによりクリップと袖布は離脱するので、腕章を外すときには帯状片両端部の面ファスナーを引き剥がした後にクリップの作動レバーを開くよう手動操作すればよい。

【0024】

【発明の効果】衣服の袖に腕章を取り付ける場合には、クリップを袖布に係止した後に適宜の環状部直径となるよう腕章帯状片を衣服の袖周りに環状に巻き回して面ファスナーで係合するので、どのような太さの袖にもまた袖のどの位置にでも腕章を取り付けることができ、袖布とクリップは 1 ケ所で係止するだけであるので袖を周囲から圧迫することもない。

【0025】衣服の袖布のシワ等に腕章のクリップに係止するので、袖布に穴を明けることもなく、厚地の生地や防水布等のような布にも腕章が係止可能で、クリップも紐状体を介して腕章帯状片と接続しているので製造も簡易で、クリップと紐状体が腕章着用時に外部から見えることもない。

【図面の簡単な説明】

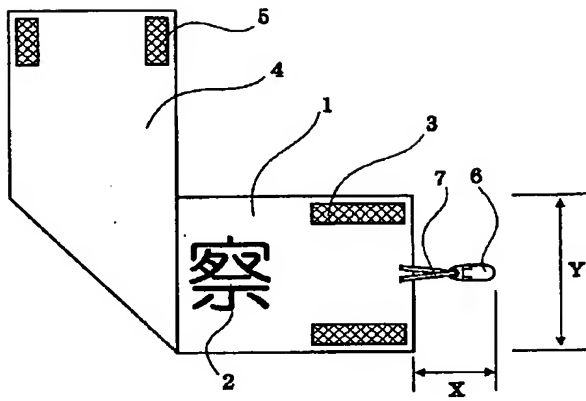
【図 1】本発明の実施例による腕章の一部を折り返して示す正面図である。

【図 2】本発明の実施例に用いるクリップを示す一部を切り欠いた断面図である。

【符号の説明】

- 1、腕章本体
- 2、表示
- 3、面ファスナー
- 4、裏面側
- 5、面ファスナー
- 6、クリップ
- 7、紐状体
- 8、固定クリップ片
- 9、可動クリップ片
- 10、作動レバー
- 11、突出部

【図 1】



【図 2】

